



## **GE Silicones**

### **MATERIAL SAFETY DATA SHEET**

**GE5050 12C-Crtrg (0.730 Lbs-0.331 Kg)**

**Trade Name**                      **Silicone II Silicone Rubber Sealant**

#### **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Manufactured By**                      **GES Waterford Plant**  
   **260 Hudson River Rd**  
   **Waterford, NY 12188**

**Revised:**                                      09/16/2003  
**Preparer:**                                  PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**Chemical Family/Use:**                  Silicone Rubber  
**Formula:**                                  Mixture  
**CHEMTREC**                                1-800-424-9300

**HMIS**  
FLAMMABILITY 0 REACTIVITY 0 HEALTH 1

**NFPA**  
FLAMMABILITY 0 REACTIVITY 0 HEALTH 1

#### **2. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>PRODUCT COMPOSITION</b>	<b>CAS REG NO.</b>	<b>WGT. %</b>
<b>A. HAZARDOUS</b>		
Hexamethyldisilazane	999-97-3	1 - 5 %
Methyltrimethoxysilane	1185-55-3	1 - 5 %
Distillates, petroleum, hydrotreated light	64742-47-8	5 - 10 %
<b>B. NON-HAZARDOUS</b>		
Treated Fumed Silica	68583-49-3	10 - 30 %
Polydimethylsiloxane	63148-62-9	10 - 30 %
Methoxypolydimethylsiloxane	68037-58-1	30 - 60 %

#### **3. HAZARDS IDENTIFICATION**

##### **EMERGENCY OVERVIEW:**

WARNING! Irritating to eyes, respiratory system and skin. May be harmful by inhalation, in contact with skin and if swallowed.



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solid    Metallic ammonia

#### **POTENTIAL HEALTH EFFECTS :**

##### **INGESTION :**

May be harmful if swallowed.

##### **SKIN :**

Uncured product contact will irritate lips, gums and tongue. Skin irritation is possible after contact with the uncured product. May be harmful if absorbed through skin.

##### **INHALATION :**

Cause mild respiratory tract irritation. Applies in uncured state. May be harmful if inhaled.

##### **EYES :**

Eye irritation on contact with the uncured product.

##### **MEDICAL CONDITIONS AGGRAVATED**

None known.

##### **SUBCHRONIC (TARGET ORGAN) :**

Reproductive hazard. Liver injury may occur.

##### **CHRONIC EFFECTS / CARCINOGENICITY :**

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

##### **ROUTES OF EXPOSURE :**

dermal Eyes

##### **OTHER :**

Methanol released during curing. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for formaldehyde is available from GE Silicones.

#### **4. FIRST AID MEASURES**

##### **INGESTION :**

Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give



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anything by mouth to an unconscious person. Get medical attention if irritation persists.

**SKIN :**

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water. Get medical attention if irritation persists.

**INHALATION :**

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

**EYES :**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**NOTE TO PHYSICIAN :**

None known.

### **5. FIRE-FIGHTING MEASURES**

**FLASH POINT**

**METHOD:**

NA

**IGNITION TEMPERATURE**

Unknown

**FLAMMABLE LIMITS IN AIR - LOWER (%)**

NA

**FLAMMABLE LIMITS IN AIR - UPPER (%)**

N

**SENSITIVITY TO MECHANICAL IMPACT:**

No

**SENSITIVITY TO STATIC DISCHARGE :**

Sensitivity to static discharge is not expected.

**EXTINGUISHING MEDIA :**

All standard firefighting media

**SPECIAL FIRE FIGHTING PROCEDURES :**

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

### **6. ACCIDENTAL RELEASE MEASURES**

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED :**

Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in



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the protective equipment section.

#### **7. HANDLING AND STORAGE**

##### **STORAGE**

##### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Avoid contact with skin and eyes. Keep container tightly closed. Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation. Product releases methanol during application and curing. Product releases ammonia during application and curing.

#### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

##### **ENGINEERING CONTROLS :**

Eyewash stations Showers

##### **RESPIRATORY PROTECTION:**

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

##### **PROTECTIVE GLOVES :**

Cloth gloves.

##### **EYE AND FACE PROTECTION :**

Safety glasses

##### **OTHER PROTECTIVE EQUIPMENT :**

Wear suitable protective clothing and eye/face protection.

##### **Exposure Guidelines**

<b><u>Chemical</u></b>	<b><u>CAS REG NO.</u></b>	<b><u>ACGIH</u></b>	<b><u>OSHA</u></b>	<b><u>Supplier</u></b>
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#### **9. PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING POINT - C & F**

NA



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<b>VAPOR PRESSURE (20 C) (MM HG) :</b>	NA
<b>VAPOR DENSITY (AIR=1) :</b>	
<b>FREEZING POINT:</b>	NA
<b>MELTING POINT :</b>	NA
<b>PHYSICAL STATE:</b>	solid
<b>ODOR:</b>	ammonia
<b>COLOR :</b>	Metallic
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	< 1
<b>SPECIFIC GRAVITY (WATER=1) :</b>	ca. 1.05
<b>DENSITY (KG/M3) :</b>	NA
<b>ACID / ALKALINITY (MEQ/G) :</b>	Unknown
<b>pH</b>	NA
<b>VOLATILE ORGANIC CONTENT (VOL)</b>	NA
<b>SOLUBILITY IN WATER (20 C) :</b>	negligible
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT) :</b>	Toluene
<b>VOC EXCL. H2O &amp; EXEMPTS (G/L) :</b>	27.00

### **10. STABILITY AND REACTIVITY**

**STABILITY :**  
Stable

**HAZARDOUS POLYMERIZATION :**  
WILL NOT OCCUR

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS :**  
Methanol carbon dioxide (CO<sub>2</sub>) Carbon monoxide ammonia Silicon dioxide. Oxides of nitrogen.

**INCOMPATIBILITY (MATERIALS TO AVOID)**  
None known.

**CONDITIONS TO AVOID :**  
Applies in uncured state. Vapor and/or liquid react with water to form ammonia.

### **11. TOXICOLOGICAL INFORMATION**

**ACUTE ORAL:**  
Unknown

**ACUTE DERMAL:**



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Unknown

**ACUTE INHALATION:**

Unknown

**OTHER:**

None

**SENSITIZATION:**

no data available

**SKIN IRRITATION**

no data available

**EYE IRRITATION**

no data available

**MUTAGENICITY**

Unknown

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGY**

no data available

**CHEMICAL FATE**

no data available

**DISTRIBUTION**

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD :**

Disposal should be made in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**



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**Not Regulated if Section is Blank**

**15. REGULATORY INFORMATION**

**US Regulatory Information**

**CERCLA**

**PRODUCT COMPOSITION**

**Chemical**

**CERCLA Reportable Quantity**

**CLEAN AIR ACT**

**CLEAN WATER ACT**

**SARA SECTION 302 :**

**SARA (311,312) HAZARD CLASS:**

Acute Health Hazard

**SARA (313) CHEMICALS :**

**Canadian Regulatory Information**

**WHMIS HAZARD CLASS :**

D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS

**OTHER:**

**SCHDLE B/HTSUS:**

3214.10 Mastic Based on Rubber

**ECCN:**

EAR99

**CALIFORNIA PROPOSITION 65 :**

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.



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#### **16. OTHER INFORMATION**

**OTHER :**

This product or its components are on the European inventory of existing commercial chemicals (EINECS)....., These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate....., This product or its components are on the

Australian inventory

(ACQIN)....., C = ceiling limit

NEGL = negligible EST= estimated NF = none found NA = not applicable UNKN =

unknown NE = none established REC = recommended ND = none determined V =

recomm. By vendor By-product = reaction by SKN = skin product, TSCA inventory TS = trade

secret status not required under R = recommended 40 CFR part 720.30(h-2) MST = mist

STEL = short term exposure NT = not tested limit....., All

chemical substances in this material are included on or exempted from listing on the TSCA inventory.